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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/749,311

12/31/2003

Chung-l Lee

1750

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EXAMINER

DARNO, PATRICK A

ART UNIT

PAPER NUMBER

2163

MAIL DATE

DELIVERY MODE

07/16/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/749,311

Applicant(s)

LEE ET AL.

Examiner

Patrick A. Darno

Art Unit

2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 March 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12/31/2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f):
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 4-8 are canceled. Claims 1-3 are pending in this office action.
2. Applicant's election of claims 1-3, without traverse, in the reply filed on 03/07/2007 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-3 rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Number 5,671,404 issued to Martin Lizee et al. (hereinafter "Lizee") and further in view of U.S. Patent Number 5,297,039 issued to Atsushi Kanaegami et al. (hereinafter "Kanaegami").

Claim 1:

Lizee discloses in figures 1A, 1B, and 3, a system for visually mining information, the system being program to mine data from a structured information report for analyzing, and comprising a data mining module for mining data from the structured information report, the data mining module comprising a parameter obtaining sub-module for obtaining mining parameters and a scanning command; and a querying sub-module for querying data form the structured information report in accordance with the mining parameters; and a dynamic scanning module (*Lizee: column 58-57*); and a marking sub-module for marking an identified field of the

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structure information report with a designated mark (*Lizee: col. 5, lines 11-3, lines 66+; column 6, lines 64-67*).

Lizee fails to explicitly disclose:

a scanning sub-module for scanning the structured information report; and

an identifying sub-module for identifying whether data stored in a field of the structured information report match the mining parameters.

However, Kanaegami discloses in figures 1-6 a system for visually mining information, the system comprising at least:

a scanning sub-module for scanning the structured information report (*Kanaegami: column 2, line 67 – column 3, lines 42*); and

an identifying sub-module for identifying whether data stored in a field of the structured information report match the mining parameters (*Kanaegami: column 2, line 67 – column 3, lines 42*).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Lizee with the teachings of Kanaegami noted above. The skilled artisan would have been motivated to improve the teachings of Lizee per the above because the searching of a structured document or template provides for a more accurate and reliable search (*Kanaegami: lines 7-13*).

Claim 2:

The combination of Lizee and Kanaegami discloses all the elements of claim 1, as noted above, and Lizee further discloses wherein the data mining module further comprises a parameter setting sub-module for generating an SQL (structured query language) sentence in

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accordance with the mining parameters (*Lizee: column 5, lines 34 - 67*).

Claim 3:

The combination of Lizee and Kanaegami discloses all the elements of claim 1, as noted above, and Lizee further discloses wherein the scanning sub-module comprises a scanning needle for scanning each of the fields of the structured information report (*Lizee: column 6, lines 29-44*).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick A. Darno whose telephone number is (571) 272-0788. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PAD



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Art Unit 2163

